

What is claimed is:

1. A wireless communication device comprising:

a transmitter/receiver capable of transmitting and receiving a plurality of data signals;

a microprocessor connected to the transmitter/receiver and configured to detect a device

5 event, and provide monitoring information indicative of the usage of the wireless communication device during the occurrence of the detected device event; and

a display capable of continuously displaying the monitoring information during the device event and after the end of the device event.

10 2. The wireless communication device of claim 1, wherein the microprocessor is configured to provide historical information indicative of the usage of the wireless communication device associated with a plurality of predetermined types of device events and instruct the display to continuously display the historical information of at least one type of device event of the plurality of predetermined types of device events.

15 3. The wireless communication device of claim 2, wherein the microprocessor is configured to instruct the display to display the historical information at a time when a device event is not detected.

20 4. The wireless communication device of claim 2, wherein the microprocessor is configured to receive instructions from an operator of the wireless communication device to selectively remove historical information of a device event from the display and provide instructions to the display to selectively remove the historical information of a device event from

the display.

5 5. The wireless communication device of claim 1, wherein the microprocessor is configured to determine usage of the wireless communication device associated with a plurality of predetermined types of device events, to determine the type of device event of the detected device event, and if, during a detected device event, the usage of the wireless communication device is close to exceeding a predetermined amount of available usage of the wireless device for the type of device event of the detected device event, to provide an alarm to the operator indicating that the usage of the wireless device for the type of device event of the detected device event is close to exceeding the predetermined amount of available usage.

6. The wireless communication device of claim 5, wherein the alarm is at least one of an audio alarm, a visual alarm and a voice alarm.

15 7. The wireless communication device of claim 5, wherein the microprocessor is configured to continuously count down units indicating remaining usage available for the type of device event of the detected device event during the occurrence of the detected device event and to provide a first alarm to the operator of the wireless communication device when the remaining usage available for the type of device event of the detected event is less than or equal to a first threshold.

8. The wireless communication device of claim 7, wherein the microprocessor is configured to provide a second alarm to the operator of the wireless communication device when

the remaining usage available for the type of device event of the detected event is less than or equal to a second threshold, the second threshold being less than the first threshold.

9. The wireless communication device of claim 5, wherein the microprocessor is
5 configured to prompt the operator to call a service provider to request additional available usage
of the wireless communication device for the type of device event of the device event when the
usage of the wireless communication device is close to exceeding a predetermined amount of
available usage of the wireless communication device for type of device event of the detected
device event.

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10. The wireless communication device of claim 5, wherein the plurality of
predetermined types of device events include at least one of: a voice event, a data event, a
gaming event, an Internet event, and an operator selected internal activity event.

15 11. The wireless communication device of claim 10, wherein a voice event includes
an audio communication during at least one of predefined periods of: peak minutes, off peak
minutes, weekday minutes, daytime minutes, anytime minutes, evening minutes, nighttime
minutes, mobile to mobile minutes, rollover minutes, shared minutes, local minutes, long
distance minutes, and roaming minutes.

20 12. The wireless communication device of claim 11, wherein the microprocessor is
configured to detect and monitor voice events during at least one period of the predefined periods
and to provide historical information indicative of the usage of the wireless communication

device for the at least one period.

13. The wireless communication device of claim 10, wherein an operator selected internal activity includes at least one of remaining battery charge and music played by the wireless communication device, and at least one of minutes of remaining battery charge and music played are displayed on the display.

14. A method of monitoring usage of a wireless communication device comprising the steps of:

detecting a device event of the wireless communication device;
monitoring an available usage of the wireless communication device during the occurrence of the detected device event; and
continuously displaying the available usage of the wireless communication device during the occurrence of the device event and after the termination of the device event.

15 The method of claim 14 further comprising the steps of:
providing historical information indicative of the usage of the wireless communication device associated with a plurality of predetermined types of device events and displaying the historical information of at least one type of device event of the plurality of predetermined types of device events.

16 The method of claim 15 wherein the historical information is displayed at a time when a device event is not detected.

17 The method of claim 16 further comprising the step of:
selectively removing historical information of a device event from the display.

5 18 The method of claim 14 further comprising the steps of:
determining the type of device event of the detected device event from among a plurality
of predetermined types of device events;
determining if, during a detected device event, the usage of the wireless device is close to
exceeding a predetermined amount of available usage of the wireless device for the type of
10 device event of the detected device event; and
providing an alarm to the operator indicating that the usage of the wireless device for the
detected device event is close to exceeding the predetermined amount of available usage for the
type of device event of the detected device event.

15 19 The method of claim 18 wherein the alarm is at least one of an audio alarm, a
visual alarm and a voice alarm.

20 20. The method of claim 18 wherein the method further comprises continuously
counting down the remaining usage available for the type of device event of the detected device
event during the occurrence of the device event, and providing a first alarm to the operator of the
wireless communication device when the remaining usage available for the type of device event
of the detected event is less than or equal to a first threshold.

21. The method of claim 20, further comprising providing a second alarm to the operator of the wireless communication device when the remaining usage available for the type of device event of the detected event is less than or equal to a second threshold, the second threshold being less than the first threshold.

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22. The method of claim 18, further comprising prompting the operator to call a service provider to request additional available usage of the wireless communication device for the types of device event of the detected device event when the usage of the wireless device is close to exceeding a predetermined amount of available usage of the wireless device for the type
10 of device event of the detected device event.

23. The method of claim 18, wherein the plurality of predetermined types of device events include at least one of: a voice event, a data event, a gaming event, an Internet event, and an operator selected internal activity event.

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24. The method of claim 23, wherein a voice event includes an audio communication during at least one of predefined periods of: peak minutes, off peak minutes, weekday minutes, daytime minutes, anytime minutes, evening minutes, nighttime minutes, mobile to mobile minutes, rollover minutes, shared minutes, local minutes, long distance minutes, and roaming
20 minutes.

25. The method of claim 24, further comprising the step of detecting and monitoring at least one period of the predefined periods, and providing historical information of the usage of

each type of voice event.

26. The method of claim 18, wherein an operator selected internal activity includes at least one of remaining battery charge and music played by the wireless communication device, and at least one of minutes of remaining battery charge and music played are displayed on the display.

27. A computer readable medium containing a program capable of causing a computer to perform a method of monitoring usage of a wireless communication device comprising the steps of:

detecting a device event of the wireless communication device;

monitoring an available usage of the wireless communication device during the occurrence of the detected device event; and

continuously displaying the available usage of the wireless communication device during the occurrence of the device event and after the termination of the device event.

28. The computer readable medium of claim 27, wherein the method further comprises the steps of:

providing historical information indicative of the usage of the wireless communication device associated with a plurality of predetermined types of device events and displaying the historical information of at least one type of device event of the plurality of predetermined types of device events.

29. The computer readable medium of claim 28, wherein the historical information is displayed at a time when a device event is not detected.

30. The computer readable medium of claim 29, wherein the method further
5 comprises the steps of:
selectively removing historical information of a device event from the display.

31. The computer readable medium of claim 27, wherein the method further
comprises the steps of:
10 determine the type of device event of the detected device event from among a plurality of
predetermined types of device events;
determining if, during a detected device event, the usage of the wireless device is close to
exceeding a predetermined amount of available usage of the wireless device for the type of
device event of the detected device event, and
15 providing an alarm to the operator indicating that the usage of the wireless device for the
detected device event is close to exceeding the predetermined amount of available usage for the
type of device event of the detected device event.

32. The computer readable medium of claim 31, wherein the alarm is at least one of
20 an audio alarm, a visual alarm and a voice alarm.

33. The computer readable medium of claim 31, wherein the method further
comprises continuously counting down the remaining usage available for the type of device

event of the detected device event during the occurrence of the device event, and providing a first alarm to the operator of the wireless communication device when the remaining usage available for the type of device event of the detected event is less than or equal to a first threshold.

5 34. The computer readable medium of claim 33, wherein the method comprises the steps of providing a second alarm to the operator of the wireless communication device when the remaining usage available for the type of device event of the detected event is less than or equal to a second threshold, the second threshold being less than the first threshold.

10 35. The computer readable medium of claim 31, wherein the method comprises the steps of prompting the operator to call a service provider to request additional available usage of the wireless communication device for the types of device event of the detected device event when the usage of the wireless device is close to exceeding a predetermined amount of available usage of the wireless device for the type of device event of the detected device event.

15 36. The computer readable medium of claim 31, wherein the plurality of predetermined types of device events include at least one of: a voice event, a data event, a gaming event, an Internet event, and an operator selected internal activity event.

20 37. The computer readable medium of claim 36, wherein a voice event includes an audio communication during at least one of predefined periods of: peak minutes, off peak minutes, weekday minutes, daytime minutes, anytime minutes, evening minutes, nighttime minutes, mobile to mobile minutes, rollover minutes, shared minutes, local minutes, long

distance minutes, and roaming minutes.

38. The computer readable medium of claim 37, wherein the method further comprising the step of detecting and monitoring at least one period of the predefined periods, and
5 providing historical information of the usage of each type of voice event.

39. The computer readable medium of claim 31, wherein an operator selected internal activity includes at least one of remaining battery charge and music played by the wireless communication device, and at least one of minutes of remaining battery charge and music played
10 are displayed on the display.